ALCOSENSE® FR9000 INTERLOCK USER GUIDE/MANUAL

Quality System
Quality Endorsed Company
Lic. No QEC24824
SAI GLOBAL

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Reduces risk of drink driving

The AlcoSense® FR9000 Interlock is a handheld breathalyser with a vehicle ignition control system. The driver whose car is equipped with the unit must complete a breath alcohol test with a result below a preset limit before they can start the vehicle.

The AlcoSense® FR9000 Interlock with its microprocessor-controlled operation exceeds NHTSA specifications. The heated electrochemical fuel cell and breath sample pathways provide an extremely reliable and accurate measurement.

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Technical Specifications

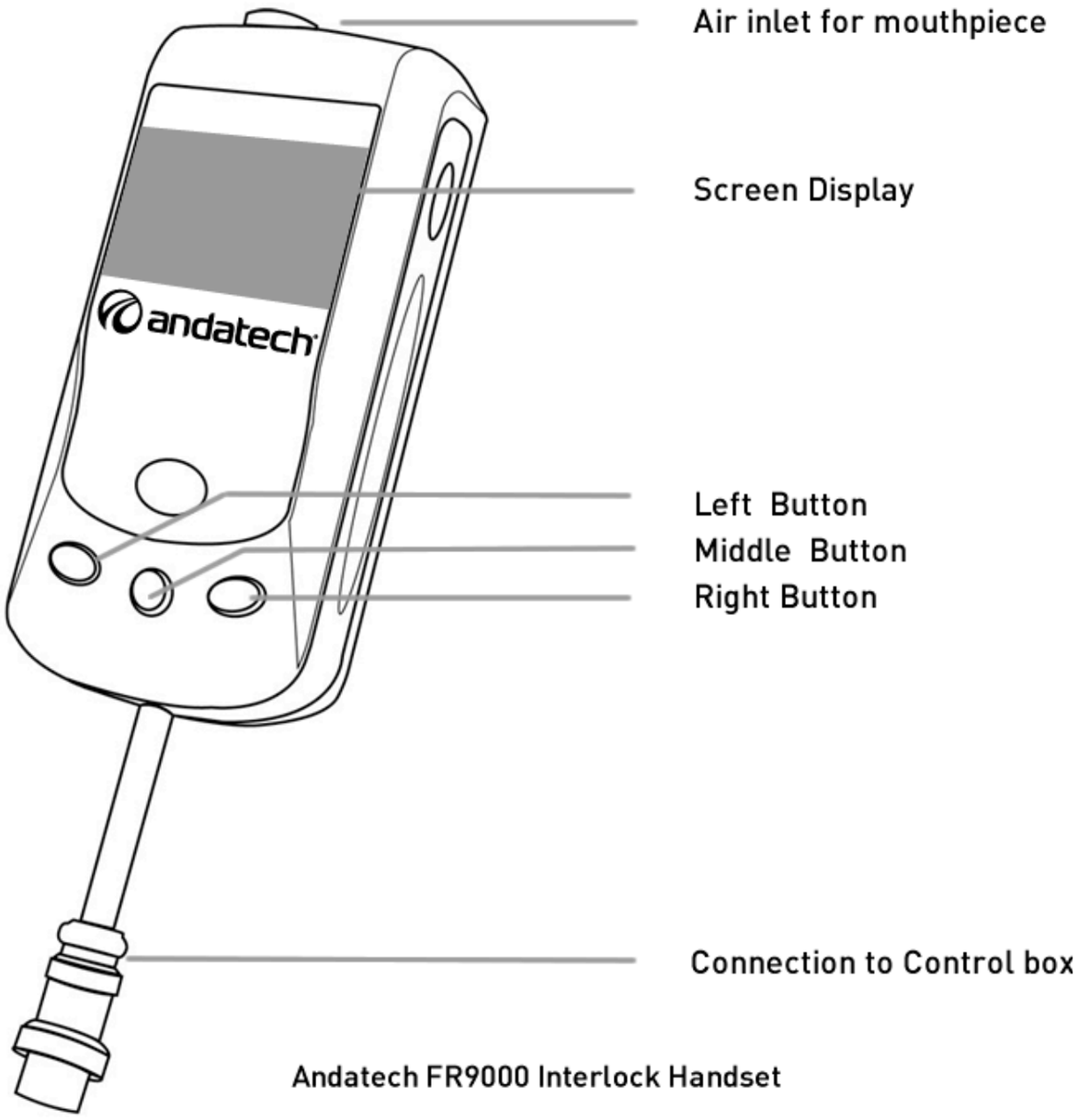
Sensor	Electrochemical Fuel Cell
Working temperature	-40 °C to 85 °C
Weight	280g (sample head only)
Accuracy	Certified to Australian Standard AS3547
Memory	160,000 events upgradeable

MAIN FEATURES

- Anti Circumvention Features
  - Temperature and humidity sensors
  - Infrared body temperature sensor
  - Sample flow measurement
- Wiring harness bypass detection
- Accelerometer motion detection
- Starter bypass detection
- Battery backed up event logging

EVENT TRACKING

- Can store and record up to 160,000 events
- Event information stored in both the sample head and the data logger
- Every event is date and time stamped



Andatech FR9000 Interlock Handset

FAQ

What does the AlcoSense® FR9000 Interlock do?
An interlock is a device that prevents drink driving. A breathalyser is installed into a vehicles ignition system and the driver must blow into the breathalyser before they are able to start the vehicle. If any alcohol is detected on their breath, the vehicle won't start.

How does it work?
The system measures and records your BAC level before you start your vehicle. When your BAC level is below the set limit, your vehicle will start. If your BAC level is too high, your vehicle will not start. The interlock records all BAC readings, vehicle starts, engine shut-offs violations etc as well as the date and time of each event. This data can be downloaded for review.

Does the interlock have to be serviced after it is installed?
Yes! The interlock will indicate when the service is due. You will not be able to start your vehicle if you do not have the device serviced as required.

When is my next appointment?
Your first service appointment must be within thirty (30) days after your interlock device is installed. You future appointment thereafter should be scheduled sixty (60) days from your last service appointment. The scheduling of appointments run from your installation date, regardless of when your device was last serviced and calibrated. The date and time of your next service appointment is programmed into your interlock device. Each time you turn on the ignition key, the unit will remind you with your next service date of the interlock.

What happens if I miss an appointment?
An appointment is considered to be "missed" if you are not present at the service location within fifteen (15) minutes of the scheduled time. If you miss an appointment without providing at least twenty four (24) hours notice to your service location or technician, you will be charged a missed appointment fee at your next service appointment. If you miss your appointment, your interlock device will go into lockout mode 7 days after the date you missed the service appointment. If you miss an appointment, you should schedule another service within those 7 days. We strongly recommend you to be on time for all service appointments.

What if I failed the initial test?
After a failed initial breath test due to alcohol detection, the vehicle will not start and will enter into "Temporary lockout" mode.

The lockout time will depend on the amount of alcohol detected. Once the temporary lock out period has been completed, turn the ignition to "on" position to initiate another test and repeat steps 4-7 as per page 5.

Practical Preventive Steps

- Keep the unit clean and dry at all times;
- Always use a clean and dry mouth piece;

- Contact your service technician or the Andatech 24 hour Helpline for any queries;
- For better readings, do not consume alcohol, use alcohol based products or smoke within 15 minutes before using the interlock;
- Avoid placing the interlock unit on the vehicle floor as it may interfere with pedals and the safe operation of the vehicle;
- If you are asked to conduct a breath test while driving, the interlock will give you enough time to pull over, stop the vehicle and conduct the breath test. Do not in any circumstance, use the interlock while driving.
- You are not allowed to disable the interlock, or miss a retest. Doing so will shorten the service interval and these actions will be recorded in the memory.
- Under no circumstances, are you allowed to tamper with, abuse, misuse and/or neglect the interlock device.

ALCOHOL AND YOUR BODY

When a person drinks an alcoholic beverage, about 20% of the alcohol is absorbed in the stomach and about 80% is absorbed into the small intestine and in the blood stream. Air that comes from deep within the lungs is considered scientifically, to be a reflective sample of blood alcohol concentration (BAC) which is why breath testing devices are used.

How fast the alcohol is absorbed depends upon several things, including:

- Type of drink consumed;
- Number of drinks consumed;
- How quickly they were consumed;
- How long ago they were consumed etc.

Each person metabolises alcohol differently, and the effect of alcohol into our body will affect our key sensory systems including:

- Slower reaction times;
- Impaired vision;
- The inability to track changing conditions;
- Impaired perception of sensory relationships (touch, sight, sound.);
- Deteriorates concentration and affects our ability to focus on driving ;
- Psychomotor skills are impaired, clouding the ability to co-ordinate physical tasks as needed.

It is important to understand that alcohol can rise in your body for up to 2 hours after your last drink and a further 10 hours are needed for your body to return to a zero reading. Your last drink can reside in your mouth for up to 15 minutes. It is advisable to wait for 15 minutes prior to a reading. Other alcohol based products such as mouth wash should be avoided before testing.

USING THE INTERLOCK

STARTING THE CAR WITH AN INTERLOCK INSTALLED

1. **It's important to remember not to eat, smoke or drink 15 minutes prior to providing a breath sample;**
2. Turn the ignition key to the ON position. **DO NOT TURN THE KEY TO THE START POSITION AT THIS TIME.** Make sure your mouthpiece is inserted into the handset;
3. The display will indicate the next service date;
4. Wait until the display indicates **"TEST REQUIRED, BLOW EVENLY";**
5. Use a new mouthpiece for each test and place it accordingly into the interlock;
6. Take a deep breath and blow steadily until the unit produces an audible "click";
7. The display will then read **"ANALYSING SAMPLE"** and will show a progress bar.

   Once the analysis is done, the interlock's display will show either **"Test Passed", "Test Failed"** or **"Test Error"**.

TEST PASSED

- Use a new mouthpiece for each test;
- If you are successful, the display will read **"TEST PASSED"**. You have 2 minutes to start the vehicle;

TEST FAILED

- The display will read **"TEST FAILED"** and the interlock will automatically go into a **"Temporary Lockout"** phase. During the temporary lockout phase, you won't be able to start your car.
- The lockout period will depend upon the amount of alcohol detected. If your BAC has a reading between 0.020 and 0.050, the temporary lockout period is 5 minutes. If your BAC reading is above 0.050, the temporary lockout period will be 30 minutes.
- Beware that after your second trial, any other attempts will have a time interval of 30 minutes before reaching the maximum amount of attempts allowed.
- Once the temporary lockout period is over, you may start again with step 2-7 as per above.
- If you reached your maximum amount of attempts and failed your last trial, the interlock will go through a "Permanent Lockout" phase. If the unit enters the permanent lockout mode, you will need to contact Andatech for assistance.

TEST ERROR

- If you were unsuccessful, the display may read **"BLOW TEST ERROR, PLEASE TRY AGAIN"**. You did not blow hard enough or long enough to complete the test. You may immediately attempt another breath test. Other blowing errors include:
  - **"YOU ARE BLOWING TOO HARD"**, for blowing too hard;
  - **"NON HUMAN BREATH"**, for blowing with simulator or air pump;
  - **"BLOW STEADIER"**, when blowing too soft or inconsistent pressure;
  - **"NO FLOW DETECTED"**, when no air pressure is detected after the allotted period of time.

RUNNING RETEST – Breath control while driving

1. After the vehicle has been running for 5 to 15 minutes, you will hear a beeping sound and the display will read **"PLEASE BLOW RUNNING RETEST"**. The display will also show a countdown indicating the amount of time you have left to complete the running retest. You must pull over your vehicle and successfully deliver a breath sample in order to complete the test;
2. The display will again show **"ANALYSING SAMPLE"** and a progress bar. You will also receive one of the test result prompts described in the "Test Result" section of this guide;
3. Additional running retests will occur randomly in your first 5 to 10 minutes drive and again between 15 to 60 minutes interval;
4. If you miss a running retest, the unit **WILL NOT** stop your vehicle. You will immediately be prompted to attempt another breath test;
5. If the test/re-test is failed due to the presence of alcohol if you have not already, you should immediately pull the vehicle over.

SERVICE REQUIREMENTS

1. To request for vehicle interlock service maintenance, you need to arrange an appointment with Andatech Interlocks by calling the Andatech 24 hour Helpline. Andatech will then contact your nearest Andatech Authorised Service Centre to organise an appointment for you.
2. While the interlock is warming up, the display screen will indicate the next service date. You are required by the state to have your device serviced at regular intervals.
3. As per your paperwork, your next appointment should be the same as the date displayed. Should the system reset the service days, the date displayed on the unit will change to indicate the day the unit will lock out;
4. If the unit enters the permanent lockout mode, you will need to contact Andatech Interlocks for assistance.

ADDITIONAL INFORMATION

1. **When turning off the vehicle, the unit will display a count-down. This indicates the amount of time you have before the unit powers down. The vehicle can be restarted at any time during this countdown;**
2. Retain all receipts for parts or servicing performed on your vehicle. **It is highly recommended you be present for the repairs to your vehicle.** You will need to provide the Andatech Authorised Service Centre with these receipts if a bypass is recorded on your device;
3. Any loss of power in control box i.e. battery disconnection will be recorded as a violation event and this will require you to do the unscheduled service.
4. **WARNING:** Before taking a test make sure all food and other substances are completely out of your mouth. If needed, drink water before a test to assure that no foreign substances are present. The unit will give you time to do this before taking a test. Introducing liquids, food particles, or tobacco smoke can affect the unit's operation.
5. **Do not attempt any electrical modification on your vehicle whilst the interlock is installed.** Prior to any electrical modification on your car, please ask for assistance from the Andatech Authorised Service Centre to ensure that the modifications will not interfere with the operation of the interlock.
6. If the interlock is not working, please contact Andatech Interlocks 24 hour Helpline for further assistance.

VIOLATION

1. Missing a running retest, tampering with your device, or having too many lockouts due to alcohol in one monitoring period will cause the unit to go into a service countdown. You will need to contact Andatech Interlocks before the service countdown on the handset display gets to 5 days. We will schedule an appointment for you to service your interlock, otherwise your vehicle will be immobilised;
2. Having mechanical work performed on your vehicle may cause your unit to go into a service countdown. You will need to schedule a service appointment within that period or your vehicle will be immobilised;
3. Violation activities are reported to the appropriate authority. It is extremely important that you attend all service appointments and abide by the rules of the Ignition Interlock program.
4. Unscheduled servicing in the case of a violation is at your expense.

INTERLOCK CARE

1. Keep It dry at all times and do not spill anything over it;
2. Clean the interlock with a lightly dampened cloth to take away the dirt and dust.
3. Take care of the interlock while it is under your possession, as you will be liable of any damage caused to the interlock.

WARNING FOR EXTENSION OF INTERLOCK PERIOD

Interlock drivers are required to comply with the operating requirements of the interlock at all times. If there is evidence that the interlock has been tampered with for the benefit of the driver, the prescribed period or interlock condition may be extended to a depending on State requirements

DEFECTIVE EQUIPMENT

If it becomes necessary to repair or replace defective equipment, please contact Andatech Authorised service centre to schedule a service appointment. All service inquiries will be responded to within 1 business day of initial contact. Within 5 business days of initial contact, repair or replacement of defective equipment will be completed.

DO'S AND DON'TS OF THE PROGRAM

1. Do contact Andatech emergency service if the vehicle must be used by untrained persons in an emergency situation or if the emergency has caused you to be unable to successfully complete the test.
2. Don't attempt to "hot wire," "cross-ground," or "roll start" your vehicle in an attempt to CIRCUMVENT the ignition interlock. The interlock will record such actions, go into IMMEDIATE RECALL and the horn will blow. The charging system of your vehicle may be damaged. License revocation is probable.
3. Don't allow mechanical work that might require vehicle startup in your absence without providing the Andatech toll free number to the service technician. Instruct all involved that Andatech must be contacted BEFORE any related wiring is detached and / or a service
4. CIRCUMVENTION is attempted. Don't avoid a monitoring appointment because of financial difficulty. Call the Andatech office to make special indigency arrangements. Your appointments must be kept.
5. Don't leave your telephone station when contacting emergency service after hours. Return calls are normally made within 15 minutes. Call emergency service back if you are not contacted within 20 minutes.
6. Do keep the service manual, next appointment date and emergency number in your vehicle at all times.
7. Don't disconnect any wiring that might be related and / or connected to the ignition interlock in any way. Call Andatech before disconnect if there is any doubt.
8. Do keep the ignition interlock clean, dust-free and totally dry at all times.
9. Don't allow anyone who might have alcohol content on their breath to attempt a test "just for fun." All alcohol readings are assumed to belong to the participant.
10. Don't allow anyone to drive the vehicle if you are not willing to accept responsibility for any alcohol readings that might result.
11. Do remember to plan ahead for Rolling Retest. Do look for safe, lighted areas -away from traffic flow- when stopping for a standing retest.
12. Don't attempt to "open" either component of the ignition interlock.
13. Don't test the interlock while driving. Pull over when doing Rolling Retest
14. Do review the Interlock Manual periodically.

TROUBLE SHOOTING SUMMARY AND HANDSET DISPLAYED MESSAGE

Whenever you have a problem with the interlock, remember to check the screen message on the front of the handset and compare them with table below.

SCREEN MESSAGE	INTERPRETATION
NEXT SERVICE DATE XX/XX/XXXX	INDICATION OF NEXT SCHEDULED OR UNSCHEDULED SERVICE DATE
RECORD UPDATING PLEASE WAIT	SYNCHRONISATION OF DATA IS IN PROGRESS, TURN OFF THE CAR ENGINE AND WAIT FOR AROUND 2 MINUTES.
TEST REQUIRED BLOW EVENLY	REQUESTING THE DRIVER FOR BREATH SAMPLE
BLOW TEST ERROR BLOW STEADIER PLEASE TRY AGAIN	BLOW TOO SOFT. PLEASE BLOW UNTIL THE BEEPING SOUND STOPS AND CLICK SOUND OCCURS
ANALYSING SAMPLE	ANALYSING THE BREATH SAMPLE TAKEN
TEST PASSED BAC LEVEL BAC XXX% DRIVE CAREFULLY	INDICATING THAT THE DRIVER PASS THE BREATH TEST AND IS ALLOWED TO START THE VEHICLE
DRIVING	VEHICLE IS IN MOTION
YOU MAY START YOUR CAR IN XXX SEC	INDICATION THAT THE DRIVER MAY RESTART THE CAR WITHIN XXX SEC WITHOUT PROVIDING BREATH SAMPLE
LOCKOUT RESET NEXT SERVICE X DAY REMAIN MAX HIGH BAC MAX VIOLATIONS INTERLOCK RECALL	INDICATING THAT UNSCHEDULED SERVICE NEED TO BE PERFORMED IN X DAYS BEFORE GOING INTO PERMANENT LOCKOUT MAX NUMBER OF VIOLATION OF HIGH BAC HAS BEEN REACHED MAX TOTAL OF VIOLATIONS REACHED SCHEDULED SERVICE IS DUE SOON
NOT READY	INTERLOCK IS NOT READY TO RECEIVE ANY BREATH SAMPLE (TEMPORARY LOCKOUT)
TEST FAIL BAC LEVEL BAC XXX %	INDICATING THAT THE DRIVER FAIL THE BREATH SAMPLE TEST AND NEED TO WAIT X MINUTES FOR RESTART (DEPENDING ON THE SETTING)
ERROR WAIT 10 MIN CODE	WRONG PASSCODE HAS BEEN ENTERED. PLEASE WAIT 10 MINUTES

HEAD CONNECTION ERROR CHECK CONNECTION	INDICATION THERE MIGHT BE AN ISSUE WITH THE CONNECTION BETWEEN HEAD AND CONTROL BOX.(IN CALIBRATION MODE, THIS MESSAGE MAY APPEAR. PLEASE IGNORE)
GRACE PERIOD EXPIRED CALL YOUR TECH FOR PASSCODE	INTERLOCK HAS ENTERED PERMANENT LOCKOUT BECAUSE OF UNSCHEDULED SERVICE NOT BEING PERFORMED
ENTER PASSCODE	REQUIRING DRIVER TO ENTER THE PASSCODE
PLEASE BLOW RUNNING RETEST TIME REMAINING X SECONDS	REQUESTING DRIVER TO DO A RUNNING RETEST IN X SECONDS
COLD TEMPERATURE DETECTED PLEASE WAIT SENSOR WARMING	PLEASE WAIT FOR SENSOR TO WARM UP
STOP SERVICE	MISSED THE SCHEDULED SERVICE, PLEASE CONTACT ANDATECH FOR BYPASS CODE
MEMORY IS ALMOST FULL	MEMORY ALMOST REACHED ITS FULL CAPACITY, PLEASE RETURN TO THE NEAREST SERVICE CENTRE TO CLEAR THE MEMORY. AFTER 7 DAYS, THE INTERLOCK WILL ENTER PERMANENT LOCKOUT

CONTACT INFORMATION

HOURS OF OPERATION

Andatech Corporation operates 9:00 am to 5:00 pm (AEST) Monday through Friday.

EMERGENCY CONTACT

If your Interlock device is in need of service before your next scheduled appointment, please call the Andatech helpline at:

Andatech Corporation Pty. Ltd.
1300 800 200
Email us: andatech@andatech.com.au
Website: www.andatech.com.au

CUSTOMER COMPLAINTS

Andatech Corporation invites complaints and feedback in regards to our services. In order to provide the best possible service, we need to hear from you with any complaints, suggestions for improvement, or praise for services that meet your needs.

Andatech Corporation Pty. Ltd.
1300 800 200
Email: andatech@andatech.com.au
Website: www.andatech.com.au

INTERSTATE TRAVEL

There may be Andatech Authorised Service Centres in every state, allowing for interstate travel. If servicing or repairs are required, please contact the Andatech Helpline, we will then locate your nearest Andatech Authorised Service Centre and organise an appointment.

Please contact Andatech Interlocks main office at:

Andatech Corporation Pty. Ltd.
9 Trade Place
Vermont VIC 3133
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Phone: 1300 800 200 Fax: 1300 883 802

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